

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P234033

Luminaire Tested: **VERD-C013-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C013-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 560mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2718 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

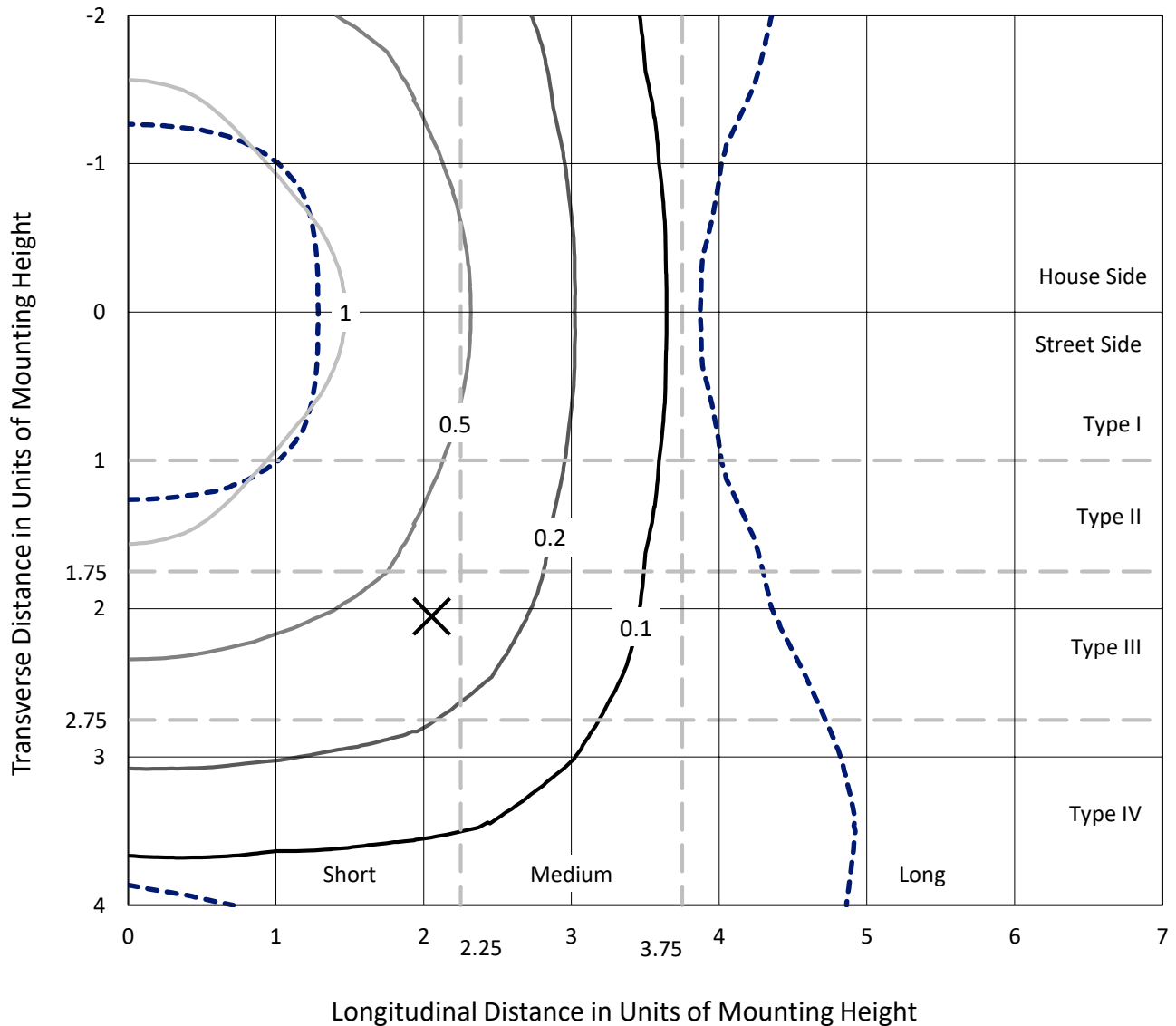


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

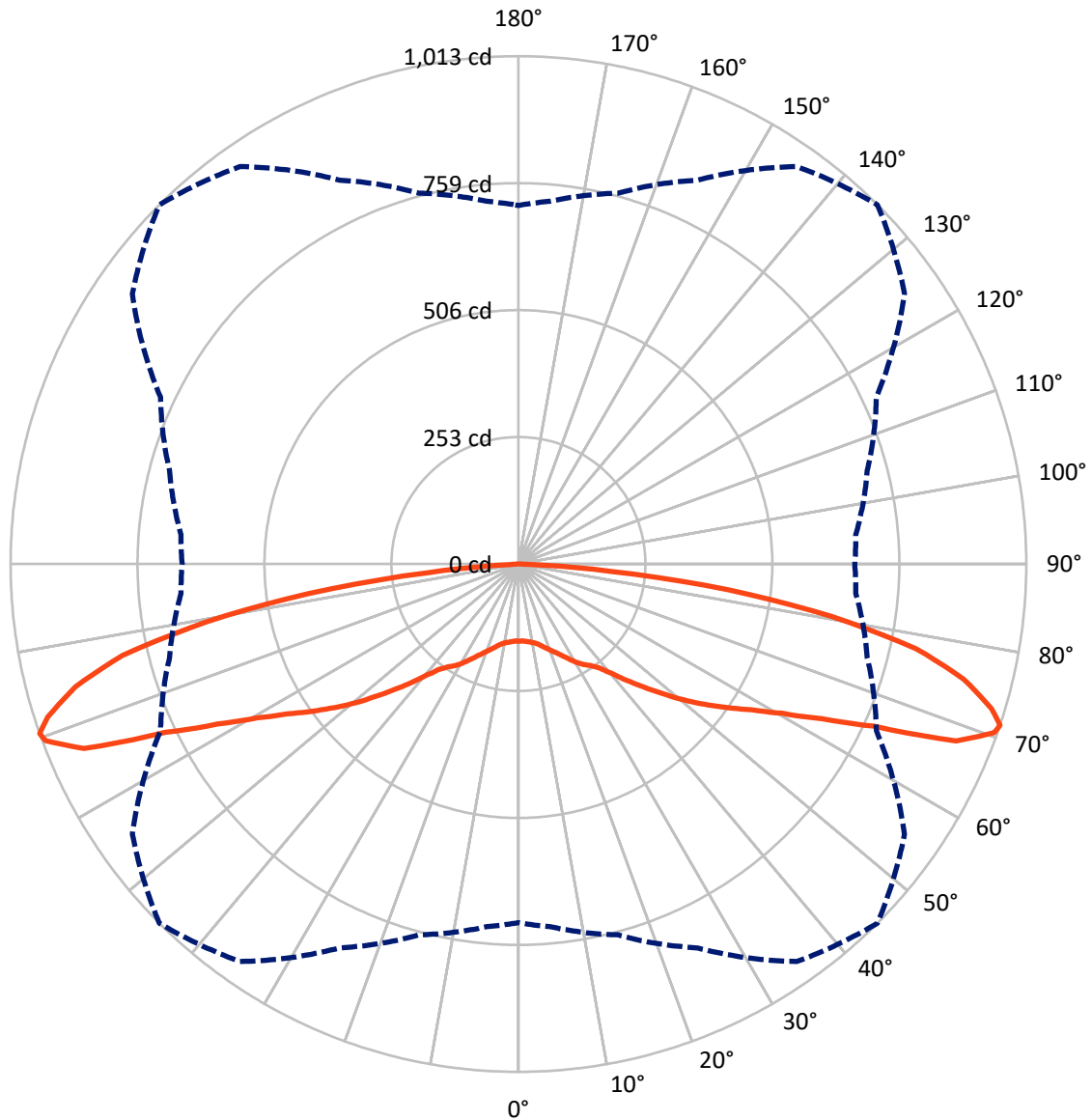


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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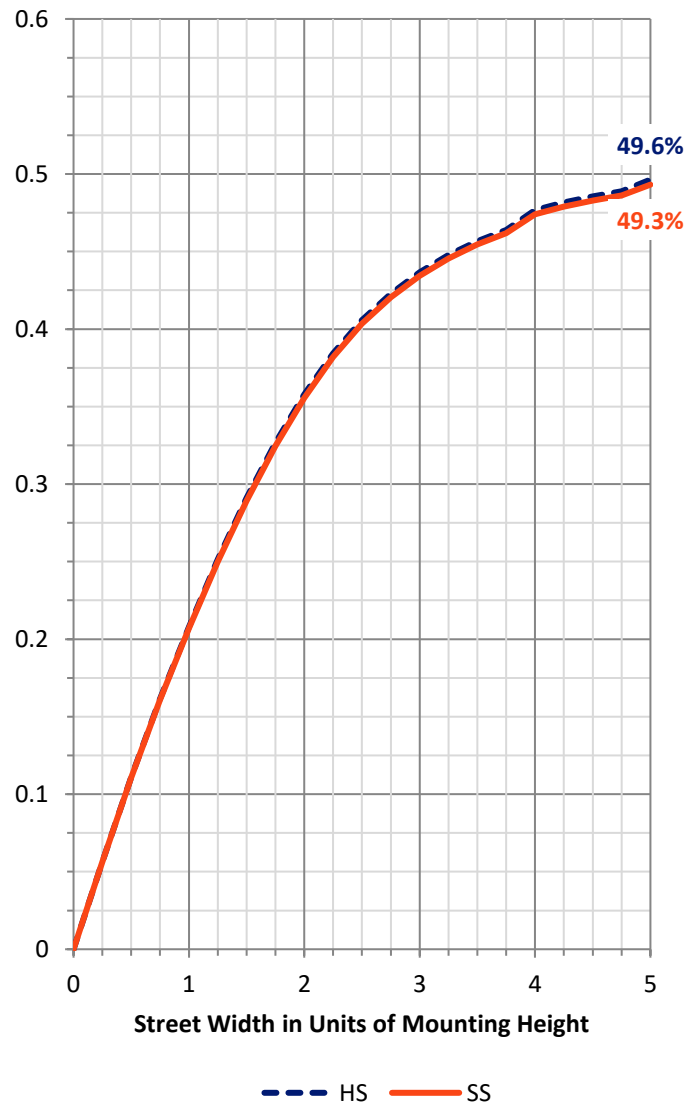
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1359.0	0.0	1359.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1359.0	0.0	1359.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2718.0	0.0	2718.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.6
10°-20°	48.0	1.8
20°-30°	92.6	3.4
30°-40°	156.6	5.8
40°-50°	284.9	10.5
50°-60°	485.9	17.9
60°-70°	779.1	28.7
70°-80°	708.4	26.1
80°-90°	147.4	5.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2718.0	100.0
0°-180°	2718.0	100.0



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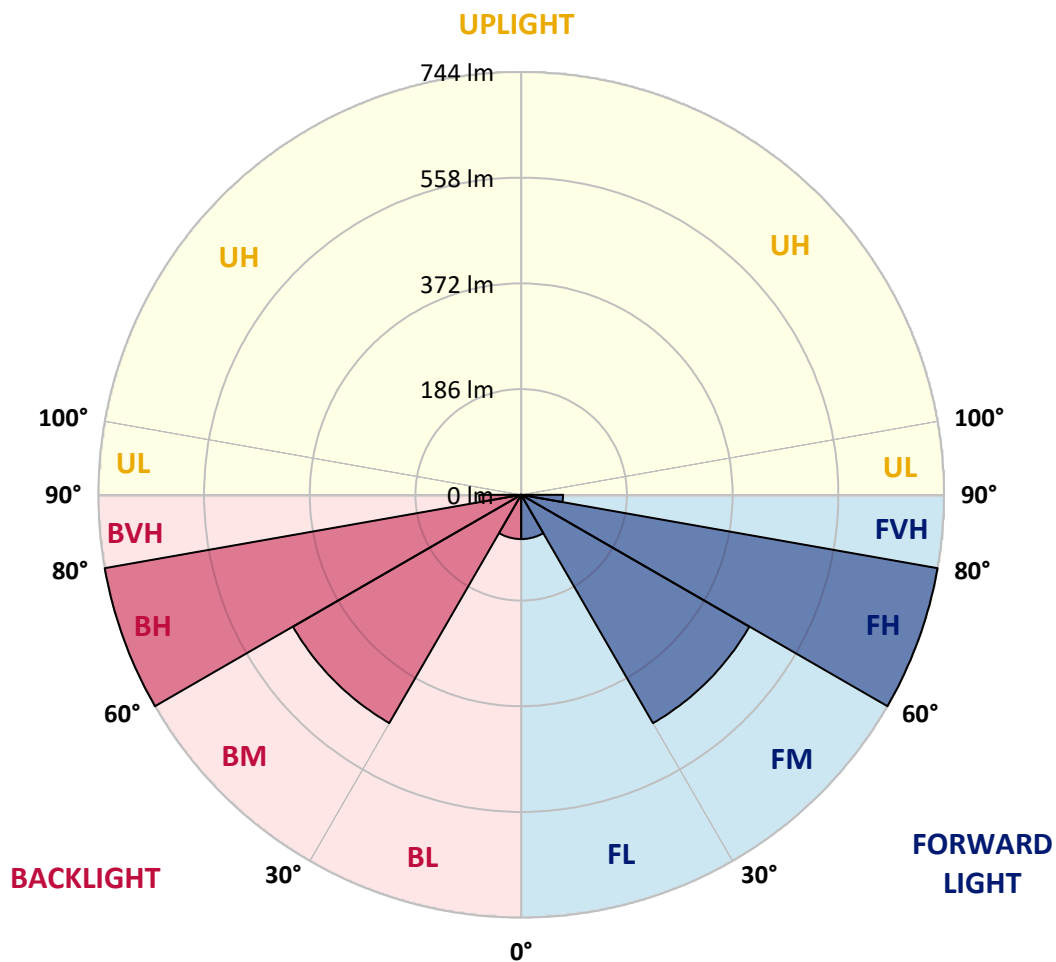
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.8	2.9			
FM (30°-60°)	463.7	17.1			
FH (60°-80°)	743.8	27.4			G1/1800
FVH (80°-90°)	73.7	2.7			G1/100
BL (0°-30°)	77.8	2.9	B0/110		
BM (30°-60°)	463.7	17.1	B1/1000		
BH (60°-80°)	743.8	27.4	B2/1000		G1/1800
BVH (80°-90°)	73.7	2.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
2.5°	155.4	155.4	155.2	154.0	154.2	153.5	153.0	153.3	153.5	153.5	153.3
5°	156.7	156.7	156.4	155.4	155.7	155.0	154.7	155.0	155.4	155.9	155.4
7.5°	159.1	158.8	158.4	157.4	157.4	156.9	156.4	156.7	157.1	157.4	157.1
10°	161.7	161.5	160.8	159.8	159.8	159.3	158.4	158.4	158.4	158.1	157.9
12.5°	164.6	164.4	163.7	162.7	163.4	162.7	162.0	161.7	161.0	160.5	160.3
15°	169.2	169.0	168.3	167.6	169.5	168.5	167.3	166.1	165.6	165.1	164.6
17.5°	174.8	174.6	174.1	173.6	176.0	176.0	173.8	171.7	171.9	171.2	170.7
20°	181.4	181.1	180.6	181.1	183.8	183.5	180.6	178.0	178.9	177.5	177.0
22.5°	189.6	189.1	188.4	189.1	193.0	192.2	188.6	186.2	186.9	186.2	185.7
25°	198.5	197.6	196.6	197.6	203.9	202.4	198.8	195.9	197.3	196.8	196.6
27.5°	207.3	206.3	205.6	204.8	214.5	214.3	209.4	206.5	208.2	208.5	208.7
30°	215.7	215.5	214.3	213.3	223.7	227.1	218.9	217.7	218.9	220.3	220.8
32.5°	227.1	226.6	225.4	223.7	230.7	239.0	229.8	230.7	232.7	235.6	235.3
35°	242.4	241.2	239.5	237.8	242.1	248.7	244.5	246.5	249.9	253.3	252.8
37.5°	258.6	258.3	256.7	252.5	257.4	263.2	262.0	265.6	271.4	278.2	277.2
40°	281.8	282.1	278.4	273.1	277.2	286.7	287.9	295.4	305.6	315.2	315.5
42.5°	318.4	317.7	315.0	307.5	310.2	317.2	323.0	334.6	347.2	357.1	358.6
45°	363.7	362.7	357.4	345.5	344.8	349.9	358.3	373.4	388.6	398.3	399.0
47.5°	415.5	412.1	403.9	388.4	382.8	385.2	393.9	410.6	426.4	437.0	436.3
50°	466.6	466.8	456.9	436.6	425.4	425.4	430.5	447.9	463.9	473.8	474.1
52.5°	524.2	522.0	512.3	487.9	469.7	464.6	466.3	482.8	499.3	509.9	509.9
55°	582.3	580.1	570.7	543.6	520.1	505.3	503.6	519.1	537.0	547.2	548.4
57.5°	642.1	640.7	630.7	601.2	571.9	548.4	544.5	562.2	581.1	591.3	592.0
60°	704.3	702.4	692.5	669.5	633.6	604.1	596.8	614.8	637.3	650.6	649.9
62.5°	776.7	774.3	766.6	737.0	711.6	679.7	665.4	685.9	712.8	728.3	729.5
65°	834.9	835.8	843.1	838.7	815.0	780.1	765.8	798.8	814.3	816.9	815.0
67.5°	819.6	823.2	839.2	875.3	918.1	941.1	885.0	845.5	816.0	798.8	796.4
70°	753.7	756.4	794.7	853.7	967.3	1006.5	935.6	807.0	745.0	718.4	715.2
71°	715.0	725.9	765.4	844.5	967.5	1012.6	939.7	787.4	720.1	675.3	670.5
72.5°	655.9	665.4	715.0	809.9	953.5	986.4	896.1	741.4	663.4	626.1	613.8
75°	534.9	552.3	596.1	721.1	889.3	916.9	818.1	654.0	570.5	530.0	526.9
77.5°	380.4	392.2	458.6	593.5	784.0	809.9	723.2	549.9	461.5	424.0	419.8
80°	211.4	223.2	293.2	417.2	605.3	631.5	553.5	401.7	313.6	273.6	257.1
82.5°	94.7	101.7	153.3	247.2	388.4	422.3	336.3	220.8	151.1	107.0	98.3
85°	32.9	36.6	61.0	112.1	198.8	183.5	115.3	55.2	19.4	9.4	8.7
87.5°	6.3	7.0	13.3	31.2	32.4	15.0	4.8	3.6	3.6	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)